

REFRIGERATED STORAGE



- Avoid ice and frost fouling
- Constant temperature and reduced need of defrosting
- Improved hygiene and safety

Refrigerated storage

Ice, frost and fog build up occurs whenever warm air gets in contact with a cold environment, for example when doors are opened and closed in a refrigerated storage. The fog can affect the ability to see clearly, ice build-up on floors or ceilings within the storage can present a hazard to staff and makes the driving of trucks dangerous. Ice and frost build-up means that regular defrosting of the store is required which costs the company time and money.

Product freezing

Without dehumidification of the air that is entering the building, through the conveyor feed apertures, will it convert into ice and frost formation. Which in turn will lead to the malfunction of the conveyor machinery and associated proximity, optical sensors. If that happens the production have to stop for defrosting and cleaning, something that can be avoided with a dehumidifier. The problem increases during the summer months due to higher ambient temperature and subsequent moisture content of the air that enters the building.

Health and safety

The icing, fogging and frost problem can be virtually eliminated by the installation of a desiccant de-humidifier to provide dry air into the factory. This will create a much safer and more pleasant working environment resulting in increased productivity. Down time for defrosting and cleaning will be drastically reduced and the working environment will be more worker friendly.

A dehumidified environment will pay for itself in many ways.



References

Norway: Frigoscandia, REMA 1000, Hennig-Olsen
Is AS

Sweden: COOP, Kalmar LMV, Lyckeby Stärkelsen, Stece AB,
Transpo konstruksions

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